## Claims

## WHAT IS CLAIMED IS:

- 1. A nail polish remover comprising an effective amount of at least one heterocyclic solvent having a carbonyl moiety.
- 5 2. The nail polish remover of Claim 1, comprising at least about 80 parts propylene carbonate (PC).
  - 3. The nail polish remover of Claim 2, further comprising from about 0.1 to about 2.5 parts Vitamin E.
- 4. The nail polish remover of Claim 2, further comprising from about 1 to about 10 parts of at least one oily solvent.
  - 5. The nail polish remover of Claim 4, wherein the oily solvent is methyl soyate.
  - 6. The nail polish remover of Claim 4, wherein the oily solvent is canola oil.
  - 7. The nail polish remover of Claim 2, further comprising from about 1 to about 20 parts dipropylene glycol methyl ether (DPM).
- The nail polish remover of Claim 7, comprising about 80 parts PC and about 20 parts DPM.
  - 9. The nail polish remover of Claim 7, comprising about 85 parts PC and about 15 parts DPM.
- 10. The nail polish remover of Claim 7, comprising about 90 parts PC and about 10 parts DPM.
  - 11. The nail polish remover of Claim 7, comprising about 95 parts PC and about 5 parts DPM.
  - 12. The nail polish remover of Claim 7, comprising about 99 parts PC and about 1 part DPM.
- 25 13 The nail polish remover of Claim 7, further comprising from about 0.1 to about 2.5 parts Vitamin E.
  - 14. The nail polish remover of Claim 7, further comprising from about 1 to about 10 parts of at least one oily solvent.
    - 15. The nail polish remover of Claim 14, wherein the oily solvent is methyl soyate.
- 30 16. The nail polish remover of Claim 15, comprising about 85 parts PC, about 10 parts DPM, and about 5 parts methyl soyate.

- 17. The nail polish remover of Claim 15, further comprising about 0.5 parts Vitamin E.
  - 18. The nail polish remover of Claim 14, wherein the oily solvent is canola oil.
- 19. The nail polish remover of Claim 18, comprising about 85 parts PC, about 10 parts DPM, and about 5 parts canola oil.
  - 20. The nail polish remover of Claim 18, further comprising about 0.5 parts Vitamin E.
  - 21. The nail polish remover of Claim 1, comprising an effective amount of a mixture of at least two heterocyclic solvents, each having a carbonyl moiety.
- 10 22. The nail polish remover of Claim 21, wherein the mixture comprises from about 25% v/v N-methyl pyrrolidinone (NMP) to about 75% v/v NMP and from about 25% v/v butyrolactone (BLO) to about 75% v/v BLO.
  - 23. The nail polish remover of Claim 22, comprising about 75% v/v NMP and about 25% v/v BLO.
- 15 24. The nail polish remover of Claim 21, wherein the mixture comprises from about 25% v/v NMP to about 75% v/v NMP and from about 25% v/v ethylene carbonate (EC) to about 75% v/v EC.
  - 25. The nail polish remover of Claim 24, comprising about 50% v/v NMP and about 50% v/v EC.
- 26. The nail polish remover of Claim 21, wherein the mixture comprises from about 25% v/v NMP to about 75% v/v NMP, and from about 25% v/v BLO to about 75% v/v BLO, and from about 25% v/v EC to about 75% v/v EC.
  - 27. The nail polish remover of Claim 26, comprising about 50% v/v NMP, about 25% v/v BLO, and about 25% v/v EC.
- 25 28. The nail polish remover of Claim 1, further comprising a thickening agent at a concentration of between about 0.1% w/v to about 5.0% w/v.
  - 29. The nail polish remover of Claim 28, wherein the thickening agent is selected from the group consisting of carbopols and methylcelluloses.
- 30. The nail polish remover of Claim 29, wherein the thickening agent is methylcellulose at a concentration of about 0.25% w/v.
  - 31. The nail polish remover of Claim 30, wherein the nail polish remover is a gel.

- 32. A method of removing nail polish from a surface, comprising:
  - (a) applying a nail polish remover to the surface, the nail polish remover comprising an effective amount of at least one heterocyclic solvent having a carbonyl moiety;
  - (b) allowing the fingernail polish remover to solubilize the nail polish; and
  - (c) removing the solubilized nail polish from the surface.
- 33. The method of Claim 32, wherein the surface is a fingernail or a toenail.
- 34. The method of Claim 32, wherein the at least one heterocyclic solvent is selected from the group consisting of pyrrolidinones, lactones, oxazolidinones, piperidones, hydantoin, cyclic carbonates, and cyclic ureas.
- 35. The method of Claim 34, wherein the at least one heterocyclic solvent is selected from the group consisting of propylene carbonate (PC), N-methyl pyrrolidinone (NMP), butyrolactone (BLO), and ethylene carbonate (EC).
- 36. The method of Claim 35, wherein the nail polish remover comprises at least about 80 parts propylene carbonate (PC).
  - 37. The method of Claim 36, wherein the nail polish remover further comprises from about 0.1 to about 2.5 parts Vitamin E.
  - The method of Claim 36, wherein the nail polish remover further comprises from about 1 to about 10 parts of at least one oily solvent.
    - 39. The method of Claim 38 wherein the oily solvent is methyl soyate.
    - 40. The method of Claim 38, wherein the oily solvent is canola oil.
  - 41. The method of Claim 36, wherein the nail polish remover further comprises from about 1 to about 20 parts dipropylene glycol methyl ether (DPM).
- 42. The method of Claim 41, wherein the nail polish remover comprises about 80 parts PC and about 20 parts DPM.
  - 43. The method of Claim 41, wherein the nail polish remover comprises about 85 parts PC and about 15 parts DPM.
  - 44. The method of Claim 41, wherein the nail polish remover comprises about 90 parts PC and about 10 parts DPM.
- 30 45. The method of Claim 41, wherein the nail polish remover comprises about 95 parts PC and about 5 parts DPM.

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- 46. The method of Claim 41, wherein the nail polish remover comprises about 99 parts PC and about 1 part DPM.
- The method of Claim 41, wherein the nail polish remover further comprises from about 0.1 to about 2.5 parts Vitamin E.
- 5 48. The method of Claim 41, wherein the nail polish remover further comprises from about 1 to about 10 parts of at least one oily solvent.
  - 49. The method of Claim 48, wherein the oily solvent is methyl soyate.
  - 50. The method of Claim 49, wherein the nail polish remover comprises about 85 parts PC, about 10 parts DPM, and about 5 parts methyl soyate.
- 10 51. The method of Claim 50, wherein the nail polish remover further comprises about 0.5 parts Vitamin E.
  - 52. The method of Claim 48, wherein the oily solvent is canola oil.
  - 53. The method of Claim 52, wherein the nail polish remover comprises about 85 parts PC, about 10 parts DPM, and about 5 parts canola oil.
- 15 54. The method of Claim 53, wherein the nail polish remover further comprises about 0.5 parts Vitamin E.
  - 55. The method of Claim 35, wherein the nail polish remover comprises from about 25% v/v NMP to about 75% v/v NMP and from about 25% v/v BLO to about 75% v/v BLO.
  - 56. The method of Claim 55, wherein the nail polish remover comprises about 75% v/v NMP and about 25% v/v BLO.
    - 57. The method of Claim 35, wherein the nail polish remover comprises from about 25% v/v NMP to about 75% v/v NMP and from about 25% v/v EC to about 75% v/v EC.
    - 58. The method of Claim 57, wherein the nail polish remover comprises about 50% v/v NMP and about 50% v/v EC.
- 59. The method of Claim 35, wherein the nail polish remover comprises from about 25% v/v NMP to about 75% v/v NMP, from about 25% v/v BLO to about 75% v/v BLO, and from about 25% v/v EC to about 75% v/v EC.
  - 60. The method of Claim 59, wherein the nail polish remover comprises about 50% v/v NMP, about 25% v/v BLO, and about 25% v/v EC.
- 30 61. The method of Claim 32, wherein the nail polish remover further comprises a thickening agent at a concentration of between about 0.1% w/v to about 5.0% w/v.

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- 62. The method of Claim 61, wherein the thickening agent is selected from the group consisting of carbopols and methylcelluloses.
- 63. The method of Claim 62, wherein the thickening agent is methylcellulose at a concentration of about 0.25% w/v.
- 64. The method of Claim 35, wherein the nail polish remover is a gel.

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